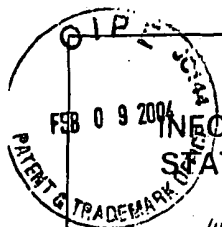


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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	10/046,864
Filing Date	1/13/02
First Named Inventor	Steven Teig
Group Art Unit	2825
Examiner Name	LIN, SUN J.
Attorney Docket Number	SPLX.P0052
Sheet 1 of 1	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document Number Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JSA	1.	2001/ 0003843 A1	Scepanovic et al.	06-14-01	
	2.	4,615,011	Linsker	09-30-86	
	3.	4,673,966	Shimoyama	06-16-87	
	4.	4,782,193	Linsker	11-01-88	
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	24.	5,859,449	Kobayashi et al.	01-12-99	
JSA	25.	5,898,597	Scepanovic et al.	04-27-99	

Examiner Signature	<i>Jan Sun Hui</i>	Date Considered	4-29-04
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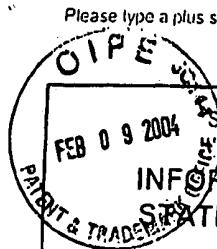
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U.S. PATENT DOCUMENTS

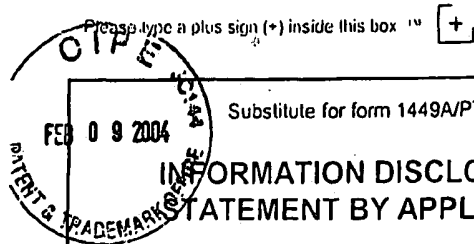
Examiner's Initials	Cite No.	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
JSA	1.	2003/0101428 S/N 10/040,915		01-05-2002	Steven Teig et al.	Previously specified
	2.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Previously specified
	3.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Previously specified
	4.	2003/0066042 S/N 10/040,963		01-05-2002	Steven Teig et al.	Previously specified
	5.	2002/0174412 S/N 10/041,942		01-07-2002	Steven Teig et al.	Previously specified
	6.	2003/0088844 S/N 10/041,957		01-07-2002	Steven Teig et al.	Previously specified
	7.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Previously specified
	8.	2002/0073390 S/N 09/737,210		12-13-2000	Steven Teig et al.	Previously specified
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	12.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	Previously specified
JSA	13.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

Examiner Signature	<i>James Sun Jins</i>	Date Considered	4-29-04
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			Group Art Unit	2825	
			Examiner Name	LIN, SUN J.	
Sheet	2	of	2	Attorney Docket Number	SPLX.P0052

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Examiner Signature	<i>James Sun Bin</i>	Date Considered	4-29-04
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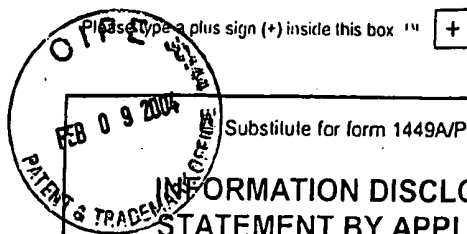
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	LIN, SUN J.
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RELATED U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document Number	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
JST	1.	2003/0079193	12/07/2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/0079193.
	2.	2003/0018947	12/07/2001	Steven Teig et al.	Application filed on the same day as the parent application 2003/0079193, with the same specification as the present application except for summary and abstract.
	3.	2002/0147958	10/19/2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/03.
	4.	2003/0063614	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	5.	2003/0064559	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	6.	2003/0063568	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	7.	2003/0101428	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193.
	8.	2002/0166105	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193.
	9.	2003/0043827	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193.
	10.	2003/0023943	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193.
	11.	2003/0066042	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193.
	12.	2002/0174412	01/07/2002	Steven Teig et al.	Continuation of 2003/0079193.
	13.	2003/0088844	01/07/2002	Steven Teig et al.	Continuation of 2003/0079193.
JST	14.	2003/0066043	01/13/2002	Steven Teig et al.	Continuation of 2003/0088844 per preliminary amendment.

Examiner Signature	<i>James Sun J. Lin</i>	Date Considered	4-29-04
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Sheet	2	of	2	Application Number	10/046,864
				Filing Date	1/13/02
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RELATED U.S. PATENT DOCUMENTS

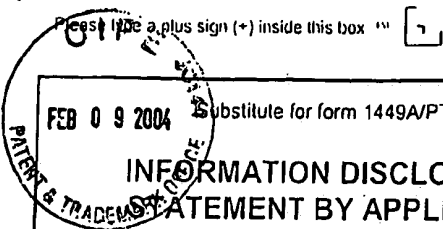
15.	2003/0115566	01/13/2002	Steven Teig	Continuation of 2003/0088844 per preliminary amendment.
16.	2003/0056187	01/14/2002	Steven Teig et al.	Continuation of 2003/0079193.
17.	2003/0066044	01/13/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
18.	2003/0066045	01/13/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
19.	2002/0133798	12/06/2000	Steven Teig et al.	Application regarding related placement technology
20.	2002/0100007	12/06/2000	Steven Teig et al.	Parent application; present application is a CIP of 2002/0100007.
21.	2002/0073390	12/13/2000	Steven Teig et al.	Application regarding related placement technology
22.	S/N 09/737,220	12/13/2000	Steven Teig et al.	Application regarding related placement technology
23.	S/N 09/737,245	12/13/2000	Steven Teig et al.	Application regarding related placement technology
24.	S/N 09/739,460	12/15/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
25.	2002/0124231	12/15/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
26.	S/N 09/739,589	12/15/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
27.	S/N 09/742,171	12/19/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
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30.	2002/0170027	02/20/2002	Steven Teig et al.	CIP of parent 2002/0100007.
31.	2002/0157075	02/20/2002	Steven Teig et al.	CIP of parent 2002/0100007.
32.	2003/0088841	12/23/2002	Steven Teig et al.	Application regarding related placement technology.

Examiner Signature	<i>James Sun J.</i>	Date Considered	4-29-04
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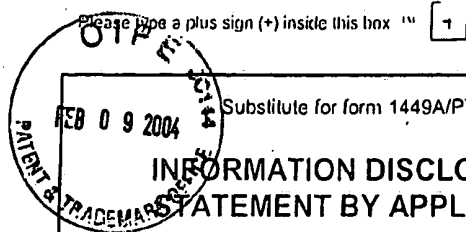
U.S. PATENT DOCUMENTS						
53.	6,516,455	B1	Teig et al.	02-04-03		
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FOREIGN PATENT DOCUMENTS								
Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
55.	JP	64-15947	—	Ouchi	01-19-89			
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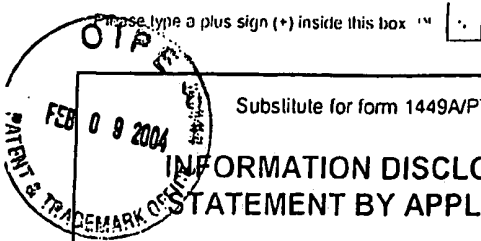
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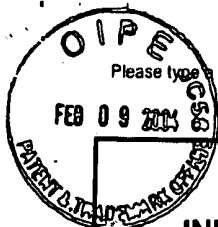
Substitute for form 1449A/PTO			Application Number	10/046,864	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	1/13/02	
			First Named Inventor	Steven Teig	
			Group Art Unit	2825	
			Examiner Name	LIN, SUN J.	
Sheet	5	of	5	Attorney Docket Number	SPLX.P0052

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Examiner Signature	<i>James Sun</i>	Date Considered	04-29-04
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				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Lin, Sun J.
Sheet	1	of	7	Attorney Docket Number	SPLX.P0052

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Date of Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)	MM-DD-YYYY		
JSL	1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
	3.	2003/0005 399	A1	01-02-2003	Igarashi et al.	
	4.	5,267,176		11-30-1993	Antreich et al.	
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JSL	20.	6,209,123	B1	03-27-2001	Maziasz et al.	

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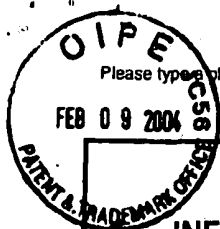
FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code (if known)				
gja	42.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	43.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
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	45.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	46.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
gja	47.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English	✓

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Sheet	4	of	7	Attorney Docket Number	SPLX.P0052

FOREIGN PATENT DOCUMENTS							
JA							translation of Abstract; and with English translation of the application.

Examiner Signature	<i>Lin Sun J.</i>	Date Considered	4-30-04
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NON PATENT LITERATURE DOCUMENTS					
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JSA	48.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.			
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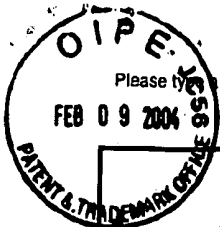
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/046,864
				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Lin, Sun J.
Sheet	7	of	7	Attorney Docket Number	SPLX.P0052

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Examiner Signature	<i>Jama Sun Bir</i>	Date Considered	4-30-04
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